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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Docket: LP-2014

Applicant : HANSELMANN et al.

Serial No. : Unknown (371 National Stage of PCT/EP2004/011970)

Filed : April 24, 2006

Title : METHOD FOR THE PRODUCTION OF 6,6,6-TRIHALO-3,5-DIOXOHEXANOIC ACID ESTERS

ART STATEMENT

Mail Stop Patent Application
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

A copy of the International Search Report for applicants' corresponding PCT application is enclosed.

Enclosed is a copy of Tetsuro Shimo, Kenichi Somekawa, et al., "3-(2H-Pyran-2-on-6-yl) indolizines and the Diels-Alder Reactions with Some Olefinic and Acetylenic Dienophiles," Journal of Heterocyclic Chemistry, Vol. 28, 1991, pages 1831-1833 (Tetsuro Shimo). The International Search Report cited Tetsuro Shimo as being particularly relevant by itself (category X), cited page 1831, chart 1, compound 4 of Tetsuro Shimo as being relevant, and cited Tetsuro Shimo as being relevant to claim 3 of applicants' corresponding International patent application.

Enclosed is a copy of International Patent Application No. WO/02/02547 (International '547). The International Search Report cited International '547 as being technological background (category A), cited pages 19 and 34 of International '547 as being relevant, and cited International '547 as being

relevant to claims 1, 2 and 4 of the applicants' corresponding International patent application.

Enclosed is a copy of U.S. Patent Application Publication No. 2002/0058690, that the International Search Report states corresponds to International '547.

Enclosed is a copy of G. Solladie, et al., "Chiral Sulfoxides in Asymmetric Synthesis," Tetrahedron: Asymmetry, vol. 7, number 8, 1996, pages 2371-2379 (Solladie et al.). The International Search Report cited Solladie et al. as being technological background (category A), cited pages 2372-2378 of Solladie et al. as being relevant, and cited Solladie et al. as being relevant to claims 1 to 3 of applicants' corresponding International patent application.

Enclosed is a copy of W.T. Brady, et al., "The Synthesis of Pyranones Utilizing the (4+2) Cycloaddition of Ketenes and Siloxy Dienes," Journal of Heterocyclic Chemistry, vol. 20, 1983, pages 501-506 (Brady et al.). The International Search Report cited Brady et al. as being technological background (category A), cited page 503; Table III, page 504; Table IV as being relevant, and cited Brady et al. as being relevant to claims 3 and 4 of applicants' corresponding International patent application.

Also, a list of references cited by applicants is enclosed.

Enclosed is a copy of Japanese Patent Application No. JP-A-06-049039, which is discussed on page 1 of this application.

Enclosed is a copy of International Patent Application No. WO-A-94/11361, which is discussed on page 1 of this application.

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Enclosed is a copy of International Patent Application No. WO-A-02/55519, which is discussed on page 1 of this application.

Enclosed is a copy of International Patent application No. WO-A-02/02547, which is discussed on page 2 of this application.

Enclosed is a copy of Batelaan, J. G., "Synthetic Commun. 1976, vol. 6, pages 81-83, which is discussed on page 2 of this application.

Enclosed is a copy of Solladie, et al., Tetrahedron: Asymmetry, 1996, vol. 7, pages 2371-2379, which is discussed on page 2 of this application.

Enclosed is a copy of Effenberger, F., et al., Chem. Ber., 1984, vol. 117, pages 3270-3279, which is discussed on page 3 of this application.

A list of references cited by applicants is enclosed.

Respectfully submitted,

April 24, 2006

Date

Virgil H. Marsh

Virgil H. Marsh
Reg. No. 23,083

Fisher, Christen & Sabol
1725 K St. NW
Suite 1108
Washington, DC 20006
Tel.: 202-659-2000
Fax: 202-659-2015

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		Applicant: Paul HANSELMANN, et al.					
		Filing Date: April 24, 2006		Group:			
U.S. PATENT DOCUMENTS							
Examiner Initial		Document Number	Date	Name	Class	Sub-Class	Filing Date
		2002/0058690					
FOREIGN PATENT DOCUMENTS							
Examiner Initial		Document Number	Date	Country	Class	Sub-Class	Translation Yes * No
		02/02547		WO			
		06-049039		JP			
		94/11361		WO			
		02/55519		WO			
		02/02547		WO			
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)							
	Tetsuro Shimo, Kenichi Somekawa, et al., "3-(2H-Pyran-2-on-6-yl) indolizines and the Diels-Alder Reactions with Some Olefinic and Acetylenic Dienophiles." Journal of Heterocyclic Chemistry, Vol. 28, 1991, pages 1831-1833						
	G. Solladie, et al., "Chiral Sulfoxides in Asymmetric Synthesis," Tetrahedron: Asymmetry, vol. 7, number 8, 1996, pages 2371-2379						
	W.T. Brady, et al., "The Synthesis of Pyranones Utilizing the (4+2) Cycloaddition of Ketenes and Siloxy Dienes," Journal of Heterocyclic Chemistry, vol. 20, 1983, pages 501-506						
	Batelaan, J. G., "Synthetic Commun. 1976, vol. 6, pages 81-83						
	Solladie, et al., Tetrahedron: Asymmetry, 1996, vol. 7, pages 2371-2379						
	Effenberger, F., et al., Chem. Ber., 1984, vol. 117, pages 3270-3279						

Examiner:	Date Considered:
EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.	